



SEQUENCE LISTING

<110> Willison, Keith
Hynes, Gillian
Liou, Anthony Kian-Fong

<120> Binding Complexes

<130> 0380-P02097US0

<140> 09/423,351
<141> 2000-05-10

<150> PCT/GB98/01485
<151> 1998-05-22

<150> GB 9710762.7
<151> 1997-05-23

<160> 123

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1
Ala Pro Arg Ala Val Phe Pro Ser Ile Val Gly Arg Pro Arg His
1 5 10 15

<210> 2
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 2
Phe Pro Ser Ile Val Gly Arg Pro Arg His Gln Gly Val Met Val
1 5 10 15

<210> 3
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 3
Gly Arg Pro Arg His Gln Gly Val Met Val Gly Met Gly Gln Lys
1 5 10 15

<210> 4
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
 <223> Synthetic Sequence
 <400> 4
 Gly Gly Thr Thr Met Tyr Pro Gly Ile Ala Asp Arg Met Gln Lys
 1 5 10 15
 <210> 5
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 5
 Pro Arg His Gln Gly Val Met Val Gly Met Gly Gln Lys Asp Ser
 1 5 10 15
 <210> 6
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 6
 Thr Phe Asn Thr Pro Ala Met Tyr Val Ala Ile Gln Ala Val Leu
 1 5 10 15
 <210> 7
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic sequence
 <400> 7
 Leu Pro His Ala Ile Leu Arg Leu Asp Leu Ala Gly Arg Asp Leu
 1 5 10 15
 <210> 8
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 8
 Leu Ala Ser Leu Ser Thr Phe Gln Gln Met Trp Ile Ser Lys Gln
 1 5 10 15
 <210> 9
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 9

Asp Glu Ala Gln Ser Lys Arg Gly Ile Leu Thr Leu Lys Tyr Pro
 1 5 10 15

<210> 10
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 10
 Ile Gln Ala Val Leu Ser Leu Tyr Ala Ser Gly Arg Thr Thr Gly
 1 5 10 15

<210> 11
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 11
 Lys Ile Leu Thr Glu Arg Gly Tyr Ser Phe Thr Thr Thr Ala Glu
 1 5 10 15

<210> 12
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 12
 Arg Gly Tyr Ser Phe Thr Thr Thr Ala Glu Arg Glu Ile Val Arg
 1 5 10 15

<210> 13
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 13
 Ala Ser Ser Ser Ser Leu Glu Lys Ser Tyr Glu Leu Pro Asp Gly
 1 5 10 15

<210> 14
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 14
 Ala Pro Ser Thr Met Lys Ile Lys Ile Ile Ala Pro Pro Glu Arg
 1 5 10 15

<210> 15
 <211> 15

```

    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 15
Ala Pro Pro Glu Arg Lys Tyr Ser Val Trp Ile Gly Gly Ser Ile
 1          5          10          15

    <210> 16
    <211> 9
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 16
Ala Val His Ser Gly Ala Leu Asp Asp
 1          5

    <210> 17
    <211> 9
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 17
Ala Val His Ser Gly Ala Leu Asn Asp
 1          5

    <210> 18
    <211> 19
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 18
Ser Gly Ser Gly Gly Arg Pro Arg His Gln Gly Val Met Val Gly Met
 1          5          10          15
Gly Gln Lys

    <210> 19
    <211> 19
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 19
Ser Gly Ser Gly Ala Arg Pro Arg His Gln Gly Val Met Val Gly Met
 1          5          10          15
Gly Gln Lys

    <210> 20
    <211> 19
    <212> PRT

```

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 20

Ser Gly Ser Gly Gly Ala Pro Arg His Gln Gly Val Met Val Gly Met
1 5 10 15
Gly Gln Lys

<210> 21

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 21

Ser Gly Ser Gly Gly Arg Ala Arg His Gln Gly Val Met Val Gly Met
1 5 10 15
Gly Gln Lys

<210> 22

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 22

Ser Gly Ser Gly Gly Arg Pro Ala His Gln Gly Val Met Val Gly Met
1 5 10 15
Gly Gln Lys

<210> 23

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 23

Ser Gly Ser Gly Gly Arg Pro Arg Ala Gln Gly Val Met Val Gly Met
1 5 10 15
Gly Gln Lys

<210> 24

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 24

Ser Gly Ser Gly Ala Ala Ala Ala Ala Gln Gly Val Met Val Gly Met
1 5 10 15
Gly Gln Lys

```

    <210> 25
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 25
Met Asp Asp Asp Ile Ala Ala Leu Val Val Asp Asn Gly Ser Gly
 1          5          10          15

    <210> 26
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 26
Ala Ala Leu Val Val Asp Asn Gly Ser Gly Met Cys Lys Ala Gly
 1          5          10          15

    <210> 27
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 27
Asp Asn Gly Ser Gly Met Cys Lys Ala Gly Phe Ala Gly Asp Asp
 1          5          10          15

    <210> 28
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 28
Met Cys Lys Ala Gly Phe Ala Gly Asp Asp Ala Pro Arg Ala Val
 1          5          10          15

    <210> 29
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 29
Phe Ala Gly Asp Asp Ala Pro Arg Ala Val Phe Pro Ser Ile Val
 1          5          10          15

    <210> 30
    <211> 15
    <212> PRT

```

<213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 30
 Ala Pro Arg Ala Val Phe Pro Ser Ile Val Gly Arg Pro Arg His
 1 5 10 15
 <210> 31
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 31
 Phe Pro Ser Ile Val Gly Arg Pro Arg His Gln Gly Val Met Val
 1 5 10 15
 <210> 32
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 32
 Gly Arg Pro Arg His Gln Gly Val Met Val Gly Met Gly Gln Lys
 1 5 10 15
 <210> 33
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 33
 Gln Gly Val Met Val Gly Met Gly Gln Lys Asp Ser Tyr Val Gly
 1 5 10 15
 <210> 34
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 34
 Gly Met Gly Gln Lys Asp Ser Tyr Val Gly Asp Glu Ala Gln Ser
 1 5 10 15
 <210> 35
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence

<400> 35
 Asp Ser Tyr Val Gly Asp Glu Ala Gln Ser Lys Arg Gly Ile Leu
 1 5 10 15

<210> 36
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 36
 Asp Glu Ala Gln Ser Lys Arg Gly Ile Leu Thr Leu Lys Tyr Pro
 1 5 10 15

<210> 37
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 37
 Lys Arg Gly Ile Leu Thr Leu Lys Tyr Pro Ile Glu His Gly Ile
 1 5 10 15

<210> 38
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 38
 Thr Leu Lys Tyr Pro Ile Glu His Gly Ile Val Thr Asn Trp Asp
 1 5 10 15

<210> 39
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 39
 Ile Glu His Gly Ile Val Thr Asn Trp Asp Asp Met Glu Lys Ile
 1 5 10 15

<210> 40
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 40
 Val Thr Asn Trp Asp Asp Met Glu Lys Ile Trp His His Thr Phe
 1 5 10 15

<210> 41

<211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 41
 Asp Met Glu Lys Ile Trp His His Thr Phe Tyr Asn Glu Leu Arg
 1 5 10 15

 <210> 42
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 42
 Trp His His Thr Phe Tyr Asn Glu Leu Arg Val Ala Pro Glu Glu
 1 5 10 15

 <210> 43
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 43
 Tyr Asn Glu Leu Arg Val Ala Pro Glu Glu His Pro Val Leu Leu
 1 5 10 15

 <210> 44
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 44
 Val Ala Pro Glu Glu His Pro Val Leu Leu Thr Glu Ala Pro Leu
 1 5 10 15

 <210> 45
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 45
 His Pro Val Leu Leu Thr Glu Ala Pro Leu Asn Pro Lys Ala Asn
 1 5 10 15

 <210> 46
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>

<223> Synthetic Sequence

<400> 46
 Thr Glu Ala Pro Leu Asn Pro Lys Ala Asn Arg Glu Lys Met Thr
 1 5 10 15

<210> 47
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 47
 Asn Pro Lys Ala Asn Arg Glu Lys Met Thr Gln Ile Met Phe Glu
 1 5 10 15

<210> 48
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 48
 Arg Glu Lys Met Thr Gln Ile Met Phe Glu Thr Phe Asn Thr Pro
 1 5 10 15

<210> 49
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 49
 Gln Ile Met Phe Glu Thr Phe Asn Thr Pro Ala Met Tyr Val Ala
 1 5 10 15

<210> 50
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 50
 Thr Phe Asn Thr Pro Ala Met Tyr Val Ala Ile Gln Ala Val Leu
 1 5 10 15

<210> 51
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 51
 Ala Met Tyr Val Ala Ile Gln Ala Val Leu Ser Leu Tyr Ala Ser
 1 5 10 15

10

```

    <210> 52
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 52
Ile Gln Ala Val Leu Ser Leu Tyr Ala Ser Gly Arg Thr Thr Gly
 1          5          10          15

    <210> 53
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 53
Ser Leu Tyr Ala Ser Gly Arg Thr Thr Gly Ile Val Met Asp Ser
 1          5          10          15

    <210> 54
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 54
Gly Arg Thr Thr Gly Ile Val Met Asp Ser Gly Asp Gly Val Thr
 1          5          10          15

    <210> 55
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 55
Ile Val Met Asp Ser Gly Asp Gly Val Thr His Thr Val Pro Ile
 1          5          10          15

    <210> 56
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 56
Gly Asp Gly Val Thr His Thr Val Pro Ile Tyr Glu Gly Tyr Ala
 1          5          10          15

    <210> 57
    <211> 15
    <212> PRT
    <213> Artificial Sequence

```

```

    <220>
    <223> Synthetic Sequence

    <400> 57
His Thr Val Pro Ile Tyr Glu Gly Tyr Ala Leu Pro His Ala Ile
1           5           10           15

    <210> 58
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 58
Tyr Glu Gly Tyr Ala Leu Pro His Ala Ile Leu Arg Leu Asp Leu
1           5           10           15

    <210> 59
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 59
Leu Pro His Ala Ile Leu Arg Leu Asp Leu Ala Gly Arg Asp Leu
1           5           10           15

    <210> 60
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 60
Leu Arg Leu Asp Leu Ala Gly Arg Asp Leu Thr Asp Tyr Leu Met
1           5           10           15

    <210> 61
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 61
Ala Gly Arg Asp Leu Thr Asp Tyr Leu Met Lys Ile Leu Thr Glu
1           5           10           15

    <210> 62
    <211> 15
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 62

```

Thr Asp Tyr Leu Met Lys Ile Leu Thr Glu Arg Gly Tyr Ser Phe
 1 5 10 15

<210> 63
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 63
 Lys Ile Leu Thr Glu Arg Gly Tyr Ser Phe Thr Thr Thr Ala Glu
 1 5 10 15

<210> 64
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 64
 Arg Gly Tyr Ser Phe Thr Thr Thr Ala Glu Arg Glu Ile Val Arg
 1 5 10 15

<210> 65
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 65
 Thr Thr Thr Ala Glu Arg Glu Ile Val Arg Asp Ile Lys Glu Lys
 1 5 10 15

<210> 66
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 66
 Arg Glu Ile Val Arg Asp Ile Lys Glu Lys Leu Cys Tyr Val Ala
 1 5 10 15

<210> 67
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 67
 Asp Ile Lys Glu Lys Leu Cys Tyr Val Ala Leu Asp Phe Glu Gln
 1 5 10 15

<210> 68
 <211> 15

<212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 68
 Leu Cys Tyr Val Ala Leu Asp Phe Glu Gln Glu Met Ala Thr Ala
 1 5 10 15

 <210> 69
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 69
 Leu Asp Phe Glu Gln Glu Met Ala Thr Ala Ala Ser Ser Ser Ser
 1 5 10 15

 <210> 70
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 70
 Glu Met Ala Thr Ala Ala Ser Ser Ser Ser Leu Glu Lys Ser Tyr
 1 5 10 15

 <210> 71
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 71
 Ala Ser Ser Ser Ser Leu Glu Lys Ser Tyr Glu Leu Pro Asp Gly
 1 5 10 15

 <210> 72
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 72
 Leu Glu Lys Ser Tyr Glu Leu Pro Asp Gly Gln Val Ile Thr Ile
 1 5 10 15

 <210> 73
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

<400> 73
 Glu Leu Pro Asp Gly Gln Val Ile Thr Ile Gly Asn Glu Arg Phe
 1 5 10 15

<210> 74
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 74
 Gln Val Ile Thr Ile Gly Asn Glu Arg Phe Arg Cys Pro Glu Ala
 1 5 10 15

<210> 75
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 75
 Gly Asn Glu Arg Phe Arg Cys Pro Glu Ala Leu Phe Gln Pro Ser
 1 5 10 15

<210> 76
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 76
 Arg Cys Pro Glu Ala Leu Phe Gln Pro Ser Phe Leu Gly Met Glu
 1 5 10 15

<210> 77
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 77
 Leu Phe Gln Pro Ser Phe Leu Gly Met Glu Ser Cys Gly Ile His
 1 5 10 15

<210> 78
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 78
 Phe Leu Gly Met Glu Ser Cys Gly Ile His Glu Thr Thr Phe Asn
 1 5 10 15

<210> 79
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 79
 Ser Cys Gly Ile His Glu Thr Thr Phe Asn Ser Ile Met Lys Cys
 1 5 10 15

 <210> 80
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 80
 Glu Thr Thr Phe Asn Ser Ile Met Lys Cys Asp Val Asp Ile Arg
 1 5 10 15

 <210> 81
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 81
 Ser Ile Met Lys Cys Asp Val Asp Ile Arg Lys Asp Leu Tyr Ala
 1 5 10 15

 <210> 82
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 82
 Asp Val Asp Ile Arg Lys Asp Leu Tyr Ala Asn Thr Val Leu Ser
 1 5 10 15

 <210> 83
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 83
 Lys Asp Leu Tyr Ala Asn Thr Val Leu Ser Gly Gly Thr Thr Met
 1 5 10 15

 <210> 84
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 84
Asn Thr Val Leu Ser Gly Gly Thr Thr Met Tyr Pro Gly Ile Ala
1 5 10 15

<210> 85
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 85
Gly Gly Thr Thr Met Tyr Pro Gly Ile Ala Asp Arg Met Gln Lys
1 5 10 15

<210> 86
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 86
Tyr Pro Gly Ile Ala Asp Arg Met Gln Lys Glu Ile Thr Ala Leu
1 5 10 15

<210> 87
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 87
Asp Arg Met Gln Lys Glu Ile Thr Ala Leu Ala Pro Ser Thr Met
1 5 10 15

<210> 88
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 88
Glu Ile Thr Ala Leu Ala Pro Ser Thr Met Lys Ile Lys Ile Ile
1 5 10 15

<210> 89
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 89
Ala Pro Ser Thr Met Lys Ile Lys Ile Ile Ala Pro Pro Glu Arg
17

| | | | |
|---|---|----|----|
| 1 | 5 | 10 | 15 |
|---|---|----|----|

<210> 90
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 90
 Lys Ile Lys Ile Ile Ala Pro Pro Glu Arg Lys Tyr Ser Val Trp
 1 5 10 15

 <210> 91
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 91
 Ala Pro Pro Glu Arg Lys Tyr Ser Val Trp Ile Gly Gly Ser Ile
 1 5 10 15

 <210> 92
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 92
 Lys Tyr Ser Val Trp Ile Gly Gly Ser Ile Leu Ala Ser Leu Ser
 1 5 10 15

 <210> 93
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 93
 Ile Gly Gly Ser Ile Leu Ala Ser Leu Ser Thr Phe Gln Gln Met
 1 5 10 15

 <210> 94
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 94
 Leu Ala Ser Leu Ser Thr Phe Gln Gln Met Trp Ile Ser Lys Gln
 1 5 10 15

 <210> 95
 <211> 15
 <212> PRT

<213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 95
 Thr Phe Gln Gln Met Trp Ile Ser Lys Gln Glu Tyr Asp Glu Ser
 1 5 10 15
 <210> 96
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 96
 Trp Ile Ser Lys Gln Glu Tyr Asp Glu Ser Gly Pro Ser Ile Val
 1 5 10 15
 <210> 97
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 97
 Glu Tyr Asp Glu Ser Gly Pro Ser Ile Val His Arg Lys Cys Phe
 1 5 10 15
 <210> 98
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 98
 Gly Gly Gly Gly Gly Gly Pro Ser Ile Val His Arg Lys Cys Phe
 1 5 10 15
 <210> 99
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 99
 Gly Gly Gly Gly Gly Gly Gly Gly His Arg Lys Cys Phe
 1 5 10 15
 <210> 100
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence

<400> 100
 Lys Tyr Ser Val Trp Ile Gly Gly Ser Ile Leu Ala Ser Leu Ser
 1 5 10 15

<210> 101
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 101
 Pro Arg His Gln Gly Val Met Val Gly Met Gly Gln Lys Asp Ser
 1 5 10 15

<210> 102
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 102
 Ile Val Leu Asp Ser Gly Asp Gly Val Thr His Asn Val Pro Ile
 1 5 10 15

<210> 103
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 103
 Leu Val Cys Asp Asn Gly Ser Gly Leu Val Lys Ala Gly Phe Ala
 1 5 10 15

<210> 104
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 104
 Leu Phe Gln Pro Ser Phe Ile Gly Met Glu Ser Ala Gly Ile His
 1 5 10 15

<210> 105
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 105
 Thr Thr Ala Glu Arg Glu Ile Val Arg Asp Ile Lys Glu Lys Leu
 1 5 10 15

<210> 106

<211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 106
 Tyr Val Gly Asp Glu Ala Gln Ser Lys Arg Gly Ile Leu Thr Leu
 1 5 10 15

 <210> 107
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 107
 Val Met Ser Gly Gly Thr Thr Met Tyr Pro Gly Ile Ala Asp Arg
 1 5 10 15

 <210> 108
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 108
 Lys Ile Lys Ile Ile Ala Pro Pro Glu Arg Lys Tyr Ser Val Trp
 1 5 10 15

 <210> 109
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 109
 Gly Phe Ala Gly Asp Asp Ala Pro Arg Ala Val Phe Pro Ser Ile
 1 5 10 15

 <210> 110
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 110
 Tyr Asn Glu Leu Arg Val Ala Pro Glu Glu His Pro Thr Leu Leu
 1 5 10 15

 <210> 111
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>

<223> Synthetic Sequence

<400> 111

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Thr | Phe | Gln | Gln | Met | Trp | Ile | Thr | Lys | Gln | Glu | Tyr | Asp | Glu | Ala |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |

<210> 112

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 112

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asp | Glu | Asp | Glu | Thr | Thr | Ala | Leu | Val | Cys | Asp | Asn | Gly | Ser | Gly |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |

<210> 113

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 113

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Tyr | Asp | Glu | Ala | Gly | Pro | Ser | Ile | Val | His | Arg | Lys | Cys | Phe |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |

<210> 114

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 114

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Lys | Gln | Glu | Tyr | Asp | Glu | Ser | Gly | Pro | Ser | Ile | Val | His | Arg |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |

<210> 115

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 115

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ile | Leu | Thr | Glu | Arg | Gly | Tyr | Ser | Phe | Val | Thr | Thr | Ala | Glu | Arg |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |

<210> 116

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 116

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Leu | Asp | Phe | Glu | Asn | Glu | Met | Ala | Thr | Ala | Ala | Ser | Ser | Ser |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |

<210> 117
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 117
 Trp Asp Asp Met Glu Lys Ile Trp His His Thr Phe Tyr Asn Glu
 1 5 10 15

 <210> 118
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 118
 Ser Thr Asp Leu Val Ala Lys Leu Arg Ala Phe His Asn Glu Ala
 1 5 10 15

 <210> 119
 <211> 5
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 119
 Gly Ala Leu Asp Asp
 1 5

 <210> 120
 <211> 4
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 120
 Ser Gly Ser Gly
 1

 <210> 121
 <211> 5
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 121
 Gly Arg Pro Arg His
 1 5

 <210> 122
 <211> 5
 <212> PRT
 <213> Artificial Sequence

```

      <220>
      <223> Synthetic Sequence

      <400> 122
Ala Ala Ala Ala Ala
 1                      5

      <210> 123
      <211> 5
      <212> PRT
      <213> Artificial Sequence

      <220>
      <223> Synthetic Sequence

      <400> 123
Gly Ala Pro Ala His
 1                      5

```